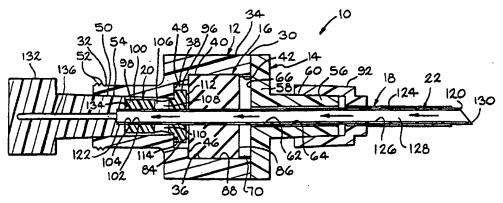
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Strayer Road, Maumee, OH 43537 (US). (72) Inventor: ARNETT, Jeffery, D.; 7768 Lakecrest Drilanti, MI 48197 (US).	ive, Yp	(88) Date of publication of the international search report: 23 October 1997 (23.10.97)
(74) Agents: SHUST, Nestor, W. et al.; Jones, Day, 1 Pogue, North Point, 901 Lakeside Avenue, Cleve 44114 (US).		

(54) Title: VALVE ASSEMBLY FOR MEDICAL USES



(57) Abstract

A valve assembly having a body, an end cap, a resilient septum, and an actuator. The body forms a plurality of fluid recesses. The end cap defines a plurality of projections that form channels. The septum is positioned between the body and the end cap. An actuator device is positioned adjacent the septum for moving the septum away from a shoulder defined in the body to allow fluid to pass through the body, actuator, and end cap. The assembly can include a sharp. The sharp extends through the body, the actuator, the septum and the

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INTERNATIONAL SEARCH REPORT

Internate . Application No PCT/US 97/02199

A. CLASS IPC 6	A61M39/26 A61M39/06		, ,
According	to International Patent Classification (IPC) or to both national c	assification and IPC	•
B. FIELD	S SEARCHED		
Minimum of IPC 6	documentation searched (classification system followed by classification s	lication symbols)	
Documenta	tion searched other than minimum documentation to the extent the	hat such documents are included in the fields	tearched
Electroruc	data base consulted during the international search (name of data	base and, where practical, search terms used	
C. DOCUN	MENTS CONSIDERED TO BE RELEVANT		
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'A' docume	egories of cited documents : nt defining the general state of the art which is not	"T" later document published after the inte or priority date and not in conflict wi	th the application but
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IAVET UN	in the priority date claimed ctual completion of the international search	'&' document member of the same patent	
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	European Patent Office, P.B. 5818 Patendaan 2 NL - 2280 HV Rijswijk Tcl. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	SEDY R.	
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	tion) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
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International application No.

PCT/US 97/02199

INTERNATIONAL SEARCH REPORT

Box 1 Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
1. Claims : 1-11 Valve assembly. 2. Claims : 12-20 Valve assembly with a catheter and a needle.
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-11
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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Information on patent family members

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